

MINNESOTA

Science and Engineering Profile

	MN	U.S.	Rank		MN	U.S.	Rank
Doctoral scientists, 1995	8,324	453,928	18	Total R&D performance, 1995 (millions)	\$3,087	\$177,210	19
Doctoral engineers, 1995	1,262	86,738	22	Industry R&D, 1995 (millions)	\$2,636	\$130,332	14
S&E doctorates awarded, 1996	505	27,230	18	Academic R&D, 1995 (millions)	\$337	\$21,606	22
of which, in life sciences	31%	25%		of which, in life sciences	71%	55%	
in engineering	23%	23%		in engineering	10%	16%	
in social sciences	14%	15%		in math & computer sciences	6%	4%	
S&E postdoctorates, 1995	705	35,379	15	Higher education current-fund expenditures, 1995 (millions)	\$3,484	\$182,602	18
in doctorate-granting institutions							
S&E graduate students, 1995	5,823	436,328	26	Number of SBIR awards, 1990-1996	416	26,399	18
in doctorate-granting institutions				Patents issued to state residents, 1996	1,771	61,099	11
Population, 1996 (000s)	4,658	269,067	20	Gross state product, 1994 (billions)	\$124.6	\$6,876.0	20
Civilian labor force, 1996 (000s)	2,609	135,528	20	of which, agriculture	3%	2%	
Personal income per capita, 1996	\$25,580	\$24,231	10	manufacturing, mining, construction	25%	23%	
Federal spending				transportation, communication, utilities	8%	9%	
Total expenditures, 1996 (millions)	\$18,859	\$1,368,858	26	wholesale and retail trade	17%	16%	
R&D obligations, 1995 (millions)	\$571	\$67,080	24	finance, insurance, real estate	18%	19%	
				services	19%	20%	
				government	11%	13%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in Minnesota by Agency and Performer: Fiscal Year 1995

[Thousands of Dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	571,128	30,139	0	254,153	195,912	84,775	6,149	24
Department of Agriculture	23,826	13,815	0	0	9,980	6	25	20
Department of Commerce	15,748	341	0	14,438	969	0	0	18
Department of Defense	255,331	1,197	0	220,840	11,207	22,087	0	21
Department of Energy	5,736	0	0	0	5,476	260	0	38
Dept. of Health & Human Services	198,156	0	0	4,625	128,051	61,831	3,649	17
Department of the Interior	4,101	3,870	0	5	199	0	27	29
Department of Transportation	6,338	0	0	3,775	240	0	2,323	23
Environmental Protection Agency	18,028	10,916	0	5,102	1,885	0	125	11
Nat'l Aeronautics & Space Admin.	7,422	0	0	3,981	3,024	417	0	33
National Science Foundation	36,442	0	0	1,387	34,881	174	0	20
State rank	24	40	na	20	20	9	6	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable